

## Abstract

A method and an apparatus includes using a planar  
5 plotting mask which can continuously change a mask image;  
continuously moving the planar plotting mask with  
reference to the surface of the photocurable resin  
composition and exposing the surface of a photocurable  
resin composition to light by way of the planar plotting  
10 mask while continuously changing a mask image of the  
planar plotting mask in accordance with a cross-sectional  
profile pattern of an optically-cured resin layer to be  
formed and in synchronism with movement of the planar  
plotting mask, to thus form an optically-cured resin  
15 layer having a predetermined cross-sectional profile  
pattern; and performing building operation such that  
boundary areas among adjacent plotted areas in the  
optically-cured resin layer become unnoticeable in a  
finally-obtained stereolithographic three-dimensional  
20 object.